APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/757,283	01/08/2001	Donald Moreaux	10002227-1	7009

7590   11/18/2004

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EXAMINER
FOWLKES, ANDRE R

ART UNIT	PAPER NUMBER
2122	

DATE MAILED: 11/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/757,283	MOREAUX ET AL.
	Examiner	Art Unit	
	Andre R. Fowlkes	2122	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>11 August 2004</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-40</u> is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-40</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>05 April 2004</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
         application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

DETAILED ACTION

1.   This action is in response to the RCE, filed 8/11/04.

2.   The rejection under 35 USC 102(b) is withdrawn, in view of applicants

amendment.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4.   Claims 1-40 are rejected under 35 U.S.C. 102(b) as being anticipated by Duggan

et al., (Duggan), U.S. Patent No. 6,002,871.

As per claim 1, Duggan discloses a **method for automated testing of a**

graphical user interface (GUI) of a program, (col. 1:60-61, "automated testing

techniques for testing the graphical user interface features of … application programs"),

said method comprising:

    - creating a test file comprising a plurality of test steps in a text format,

wherein the test steps are not written in an interpreted computer programming

language (col. 3:5-8, "A test operator can then create test scripts (i.e. a test file)

containing any desired sequence of command module commands using the simple

(text) names assigned to each command. The commands specified by name in a test

script are executed sequentially by the test tool."),

- and executing a test harness with said test file as input to said test

harness, said test harness configured to execute one of a plurality of automated

tests in response to one of a plurality of test steps (col. 3:5-8, "A test operator can

then create test scripts containing any desired sequence of command module

commands using the simple names assigned to each command. The commands

specified by name in a test script are executed sequentially by the test tool (i.e. test

harness)"),

- each automated test configured to test a corresponding user interface

element of said program through a GUI map (col. 1:49-58, "an automated test tool for

testing the graphical user interface features of … application programs. Test scenarios

are built around Generic Element Models (i.e. gui maps) that are stored in a library.

Each GEM represents the behavior of a basic … graphical user interface element, such

as a push button, a check box, a list box, or the like"),

- said GUI map configured to define a logical name for each user interface

element of said program (col. 1:49-58, "an automated test tool for testing the graphical

user interface features of … application programs. Test scenarios are built around

Generic Element Models, GEM, (i.e. gui maps) that are stored in a library. Each GEM

represents the behavior of a basic … graphical user interface element, such as a push

button, a check box, a list box, or the like").

As per claim 2, the rejection of claim 1 is incorporated and further, Duggan discloses that **each test step comprises an object, an action, and an identification reference** (col. 3:5-7, "A test operator can then create test scripts containing any desired sequence of command module commands (i.e. test steps) using the simple names assigned to each command", and col. 1:49-58, "an automated test tool for testing the graphical user interface features of ... application programs. Test scenarios are built around Generic Element Models, GEM, (i.e. gui maps) that are stored in a library. Each GEM represents the behavior of a basic ... graphical user interface element, such as a push button, a check box, a list box, or the like", and for test scenarios to be built around a GEM, the identifying information (i.e. object, action and id reference) is identified for each test step).

As per claim 3, the rejection of claim 2 is incorporated and further, Duggan discloses that **each test step further comprises an optional field value** (col. 3:66-67, "a test operator can easily modify test parameters (i.e. optional fields)").

As per claim 4, the rejection of claim 3 is incorporated and further, Duggan discloses that **each test step further comprises an error recovery value** (col. 8:53-54, "a session terminates when a particular command of the test script produces an error (i.e. the error recovery value indicating termination)", and col. 20:35-36, "Other logical commands can be used to ignore errors (i.e. error recovery value of ignore)").

As per claim 5, the rejection of claim 1 is incorporated and further, Duggan discloses **generating said GUI map of said program by extracting a logical name, a physical name, an identification, and an ordinal value for each user interface element of said program** (col. 1:49-58, "an automated test tool for testing the graphical user interface features of ... application programs. Test scenarios are built around Generic Element Models, GEM, (i.e. gui maps) that are stored in a library. Each GEM represents the behavior of a basic ... graphical user interface element, such as a push button, a check box, a list box, or the like", and for test scenarios to be built around a GEM, the identifying information is extracted from the program).

As per claim 6, the rejection of claim 1 is incorporated and further, Duggan discloses that **generating said GUI map of said program from one of a prototype of said program, a design document of said program and an earlier version of said program** (col. 1:49-58, "an automated test tool for testing the graphical user interface features of ... application programs. Test scenarios are built around Generic Element Models, GEM, (i.e. gui maps) that are (generated and) stored in a library. Each GEM represents the behavior of a basic (i.e. prototype) ... graphical user interface element, such as a push button, a check box, a list box, or the like").

As per claim 7, the rejection of claim 1 is incorporated and further, Duggan discloses that **each automated test is further configured to retrieve and to execute at least one of a plurality of associated reusable functions in response to said**

one of said plurality of test steps (col. 3:5-8, "A test operator can then create test

scripts containing any desired sequence of command module commands (i.e. test

steps) using the simple names assigned to each command. The commands (i.e.

reusable functions) specified by name in a test script are executed sequentially by the

test tool").

As per claim 8, the rejection of claim 1 is incorporated and further, Duggan

discloses **outputting results of the execution of said plurality of automated tests in**

response to said test file (col. 3:47-49, "Another important feature of the present

invention is that it provides enhanced verification of proper execution of the user

functions of the application program under test. (i.e. outputting results of the test)").

As per claims 9-16, this is a system version of the claimed method discussed

above, in claims 1-8, wherein all claimed limitations have also been addressed and/or

cited as set forth above. For example, see Duggan's multi-user application program

testing tool (col. 2:49-4:6).

As per claims 17-20, this is a computer readable medium version of the claimed

method discussed above, in claims 1, 5, 7 and 8, wherein all claimed limitations have

also been addressed and/or cited as set forth above. For example, see Duggan's multi-

user application program testing tool (col. 2:49-4:6).

As per claims 21-28, this is another method version of the claimed method discussed above, in claims 1-8, wherein all claimed limitations have also been addressed and/or cited as set forth above. For example, see Duggan's multi-user application program testing tool (col. 2:49-4:6).

As per claims 29-36, this is a system version of the claimed method discussed above, in claims 1-8, wherein all claimed limitations have also been addressed and/or cited as set forth above. For example, see Duggan's multi-user application program testing tool (col. 2:49-4:6).

As per claims 37-40, this is a computer readable medium version of the claimed method discussed above, in claims 1, 5, 7 and 8, wherein all claimed limitations have also been addressed and/or cited as set forth above. For example, see Duggan's multi-user application program testing tool (col. 2:49-4:6).

Response to Arguments

5.   Applicant's arguments with respect to claims 1, 9 and 17 have been considered but are moot in view of the new ground(s) of rejection.
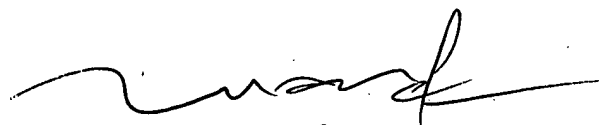
Conclusion

6.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andre R. Fowlkes whose telephone number is (571) 272-3697. The examiner can normally be reached on Monday - Friday, 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571)272-3695. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ARF

TUAN DAM
SUPERVISORY PATENT EXAMINER